

## **AMENDMENTS TO THE CLAIMS**

1. (Currently Amended) A method comprising:  
registering an Internet service with a broker;  
transmitting metadata, to the broker, describing at least one communication proxy, including at least one supported protocol, a type, and a location of the communication proxy; and  
accessing, by the communication proxy, a web server to provide the Internet service to a client if the type of the communication proxy is compatible with the client environment matches a communication proxy type specified by the client.
2. (Previously Presented) The method as in claim 1, further comprises:  
downloading the communication proxy from the location to a node local to the client.
3. (Previously Presented) The method as in claim 1, wherein the type of the communication proxy is one of Java, common language runtime (CLR), component object model (COM), and Win32 binaries.
4. (Previously Presented) The method as in claim 1, wherein the at least one supported protocol of the communication proxy includes at least one of hypertext transfer protocol (HTTP), simple mail transfer protocol (SMTP), simple object access protocol (SOAP), secure sockets layer (SSL/HTTPS), and secure HTTP (S-HTTP).
5. (Previously Presented) The method as in claim 1, wherein the communication proxy is compatible with the client environment if the type of the communication proxy matches a communication proxy type specified by the client and the supported protocol of the communication proxy matches an application-level protocol specified by the client.
6. (Previously Presented) A method comprising:  
requesting a desired Internet service, by a client, to a broker, including a desired communication proxy type and, optionally, a desired application-level protocol;  
receiving metadata from the broker regarding a communication proxy having at least a matching communication proxy type to the desired communication proxy type;  
downloading the communication proxy from a location specified by the metadata; and  
interacting with a web server using the downloaded communication proxy to receive the desired Internet service.

7. (Previously Presented) The method as in claim 6, wherein the communication proxy supports the desired application-level protocol.

8. ((Previously Presented) The method as in claim 6, wherein interacting further comprises:

remotely accessing the web server by the downloaded communication proxy according to the client.

9. (Original) The method as in claim 6, wherein interacting comprises: dynamic interacting.

10. (Original) The method as in claim 6, wherein receiving metadata comprises: obtaining one of extensible markup language (XML), hyper text markup language (html), text file, and binary.

11. (Previously Presented) The method as in claim 6, wherein the desired communication proxy type is one of Java, common language runtime (CLR), component object model (COM), and Win32 binaries.

12. (Previously Presented) The method as in claim 6, wherein the desired application-level protocol is one of hypertext transfer protocol (HTTP), simple mail transfer protocol (SMTP), simple object access protocol (SOAP), secure sockets layer (SSL/HTTPS), and secure HTTP (S-HTTP).

13. (Previously Presented) A method comprising:  
receiving at least one Internet service registration that includes metadata regarding at least one communication proxy;  
receiving a request to locate a client-desired Internet service having a client-specified communication proxy type;  
matching the request with the Internet service registration to identify a communications proxy of the communication proxy type; and  
transmitting metadata to the client, the metadata including at least a location of the identified communication proxy.

14. (Previously Presented) The method as in claim 13, wherein receiving said metadata comprises:

obtaining descriptions of at least one supported protocol, a type, and a location of the communication proxy.

15. (Original) The method as in claim 13, wherein receiving said metadata comprises:

obtaining one of extensible markup language (XML), hypertext markup language (html), text file, and binary.

16. (Previously Presented) The method as in claim 14, wherein the communication proxy type is at least one of Java, common language runtime (CLR), component object model (COM), and Win32 binaries; and wherein a supported protocol of the communication proxy includes at least one of hypertext transfer protocol (HTTP), simple mail transfer protocol (SMTP), simple object access protocol (SOAP), secure sockets layer (SSL/HTTPS), and secure HTTP (S-HTTP).

17. (Previously Presented) A machine readable medium having instructions which when executed by a machine cause said machine to perform operations comprising:

requesting a desired Internet service, to a broker, including a desired communication proxy type;

receiving metadata from the broker regarding a communication proxy having at least a matching communication proxy type to the desired communication proxy type;

downloading the communication proxy from a location specified by the metadata; and

interacting with a web server using the downloaded communication proxy to receive the desired Internet service.

18. (Previously Presented) The machine readable medium as in claim 17, wherein the downloaded communication proxy supports a specified application-level protocol.

19. (Original) The machine readable medium as in claim 17, wherein interacting is accomplished at runtime.

20. (Original) The machine readable medium as in claim 17, wherein interacting comprises:

dynamic interacting.

21. (Cancelled)